AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

1. (Currently Amended) An aortic shunt, comprising:

a first tubular member ~~expandable between a first diameter suitable for passage through the lumen of the aorta and a second diameter that frictionally engages the lumen of the aorta, the first tubular member~~ having a length that spans from the ascending aorta upstream of the brachiocephalic trunk to the descending aorta downstream of the left subclavian artery, the first tubular member having a proximal opening, a distal opening, and a lumen therebetween; ~~and~~

a second tubular member having a proximal end, a distal end, and a lumen therebetween, the distal end of the second tubular member communicating with a port having a proximal end and a distal end, wherein the port is adapted to communicate with the carotid arteries when in use, ~~a port mounted on an intermediate portion of the first tubular member, the port adapted to communicate with the carotid arteries when in use,~~ and wherein the proximal end of the second tubular member extending to a position outside of the patient's body and adapted to receive infusion of oxygenated blood, and

an expandable chamber mounted on the first tubular member extending from a proximal end to a distal end, wherein the proximal end is located proximal the proximal end of the port and the distal end is located distal the distal end of the port,

wherein, during use, oxygenated blood flows through the second tubular member into the carotid arteries while blood from the ascending aorta flows through the first tubular member into the descending aorta.

2. (Original) The aortic shunt of claim 1, wherein the lumen of the second tubular member communicates with a plurality of ports at the distal end of the second tubular member.

3. (Original) The aortic shunt of claim 1, wherein the first tubular member is a stent.

4. (Currently Amended) The aortic shunt of claim 1, wherein the expandable chamber ~~first tubular member~~ is a cylindrical balloon, and wherein the shunt further comprises an inflation lumen that communicates with the expandable chamber ~~first tubular member~~.

5. (Original) The aortic shunt of claim 1, wherein the first tubular member further comprises a balloon disposed about a portion of the first tubular member, wherein the balloon inflates to isolate a portion of the first tubular member where the port of the second tubular member communicates with the carotid arteries from blood flow in the aorta.

6. (Original) The aortic shunt of claim 5, wherein the first tubular member is a stent.

7. (Original) The aortic shunt of claim 5, wherein the first tubular member is a cylindrical balloon, and wherein the shunt further comprises an inflation lumen that communicates with the first tubular member.

8. (Original) The aortic shunt of claim 1, further comprising a manometer mounted in the first tubular member.

9. (Original) The aortic shunt of claim 1, wherein the first tubular member further comprises radiopaque markers at the proximal end and the distal end.

10. (Currently Amended) A method for treating stroke and cardiac arrest, comprising the steps of:

providing an aortic shunt comprising a first tubular member having a proximal opening, a distal opening, and a lumen therebetween, ~~and~~ a second tubular member having a proximal opening, a distal end, and a lumen therebetween, ~~the~~ distal end of the second tubular member communicating with a port having a proximal end and a distal end, and an expandable chamber mounted on the first tubular member extending from a proximal end to a distal end, wherein the proximal end is located proximal the proximal end of the port and the distal end is located distal the distal end of the port ~~mounted on an intermediate portion of the first tubular member~~;

advancing the aortic shunt into the aorta;

positioning the shunt so that the proximal opening of the first tubular member is upstream of the brachiocephalic trunk, the distal opening of the first tubular member is downstream of the left subclavian artery, and the port ~~of the first tubular member~~ communicates with the carotid arteries;

expanding the shunt so that the expandable chamber ~~first tubular member~~ engages the lumen of the aorta; and

infusing oxygenated blood through the lumen of the second tubular member through the port ~~of the first tubular member~~ into the carotid arteries.

11. (Original) The method of claim 10, wherein the lumen of the second tubular member communicates with a plurality of ports at the distal end of the second tubular member.

12. (Original) The method of claim 10, wherein the first tubular member is a stent.

13. (Currently Amended) The method of claim 10, wherein the expandable chamber ~~first tubular member~~ is a cylindrical balloon, and wherein the shunt further comprises an inflation lumen that communicates with the expandable chamber ~~first tubular member~~.

14. (Original) The method of claim 10, wherein the first tubular member further comprises a balloon disposed about a portion of the first tubular member, wherein the balloon inflates to isolate a portion of the first tubular member where the port of the second tubular member communicates with the carotid arteries from blood flow in the aorta.

15. (Original) The method of claim 14, wherein the first tubular member is a stent.

16. (Original) The method of claim 14, wherein the first tubular member is a cylindrical balloon, and wherein the shunt further comprises an inflation lumen that communicates with the first tubular member.

17. (Original) The method of claim 10, wherein the shunt further comprises a manometer mounted in the first tubular member.

18. (Original) The method of claim 10, wherein the first tubular member further comprises radiopaque markers at the proximal end and the distal end.

19. (Original) The method of claim 10, wherein the oxygenated blood is cooled oxygenated blood.

20. (Original) The method of claim 10, further comprising the step of inserting the shunt into the femoral artery.